

Reference U

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 ACCESSION NUMBER: 2001:658540 HCAPLUS  
 DOCUMENT NUMBER: 135:371618  
 TITLE: Isoquinoline syntheses via  $\Delta^2$ -oxazolines. Part  
 VIII. Cyclization of  
 2-acetamido-1,2-diphenylethan-1-ol derivatives into  
 isoquinoline systems  
 AUTHOR(S): Kopczynski, T.; Voelkel, A.  
 CORPORATE SOURCE: Institute of Chemical Technology and Engineering,  
 Poznan Technical University, Poznan, 60-965, Pol.  
 SOURCE: Polish Journal of Chemistry (2001), 75(9), 1317-1325  
 CODEN: PJCHDQ; ISSN: 0137-5083  
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 AB The results of the conversion of 2-acetamido-1,2-diphenylethan-1-ol  
 derivs. into 1-methyl-4-phenylisoquinoline derivs. were described. The  
 mechanism proposed for these reaction assumes the existence of protonated  
 $\Delta^2$ -oxazolines, carbonium ions, and unsatd. amides as intermediates.  
 For example, the cyclization of erythro-N-(2-hydroxy-1,2-  
 diphenylethyl)acetamide or threo-N-(2-hydroxy-1,2-diphenylethyl)acetamide  
 gave 1-methyl-4-phenylisoquinoline in 66% yield.  
 IT 374594-09-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of isoquinolines via cyclocondensation of  
 N-(hydroxydiphenylethyl)acetamide derivs.)  
 RN 374594-09-9 HCAPLUS  
 CN Isoquinoline, 6-methoxy-1-methyl-4-phenyl- (CA INDEX NAME)

